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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,116	05/01/2006	Yuri Borisovich Sokolov	0155.0002US1	5044
29127	7590	08/06/2009	EXAMINER	
HOUSTON ELISEEVA			PHU, PHUONG M	
4 MILITIA DRIVE, SUITE 4				
LEXINGTON, MA 02421			ART UNIT	PAPER NUMBER
			2611	
			MAIL DATE	DELIVERY MODE
			08/06/2009	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Supplemental  
Notice of Allowability**

**Application No.**

10/578,116

**Examiner**

Phuong Phu

**Applicant(s)**

SOKOLOV ET AL.

**Art Unit**

2611

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Application filed on 05/01/06.
2. ☒ The allowed claim(s) is/are 2-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____     | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other ____.   |

/Phuong Phu/  
Primary Examiner, Art Unit 2611

**DETAILED ACTION**

1. This Office Action is responsive to the Application filed on 05/01/06.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

**IN THE ABSTRACT:**

-The Abstract, (filed on 05/01/06), is replaced as following:

--The invention relates to electrical network communications engineering and can be used in systems for automatic data collection from intrusion protection and fire alarm sensors, electric, heat, water, gas meters and fiscal memory data devices for cash registers. The technical result is significant reduction of power consumption in transmitters of system slave units and/or expansion of its operation. A unique random or pseudo-random set of initial phase differences for the adjacent harmonic pairs is used to encode each character of transmitted data, and these sets of initial phase differences are selected in such a way as to minimize crest factor of a total signal. When a fire-alarm sensor is actuated, it is sufficient to transmit only one symbol to an alarm panel which, unambiguously identifies the location of the active sensor and as a rule is embodied in the form of a conventional number or address pre-allocated to the sensor.--

**IN THE CLAIMS:**

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-On page 6 of the application (filed on 05/01/06), the last paragraph, at the bottom of the page under the heading "CLAIM", is replaced as following:

--What is claimed is:

1. A method of geometric harmonic modulation of a signal comprising a plurality of harmonics evenly spaced in frequencies, whereto a unique random or pseudo-random set of initial phase differences for the nearest pairs of said harmonics is used encode each character of transmitted data and said sets of initial phase differences are selected in such a way as to minimize the crest factor of total signal.--

3. The applicant is herein notified that: (i) The above amendment to the Abstract (filed on 05/01/06) is needed because the current Abstract is more than 150 words; the Abstract is incompleted (see the last sentence); and word "means" should be avoided in the Abstract (see the last sentence); and (ii) The above amendment to the Claim (filed on 05/01/06) is needed because the claim has not yet been numbered.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The examiner can normally be reached on M-F (8:00 AM - 4:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Phuong Phu  
Primary Examiner  
Art Unit 2611

/Phuong Phu/  
Primary Examiner, Art Unit 2611